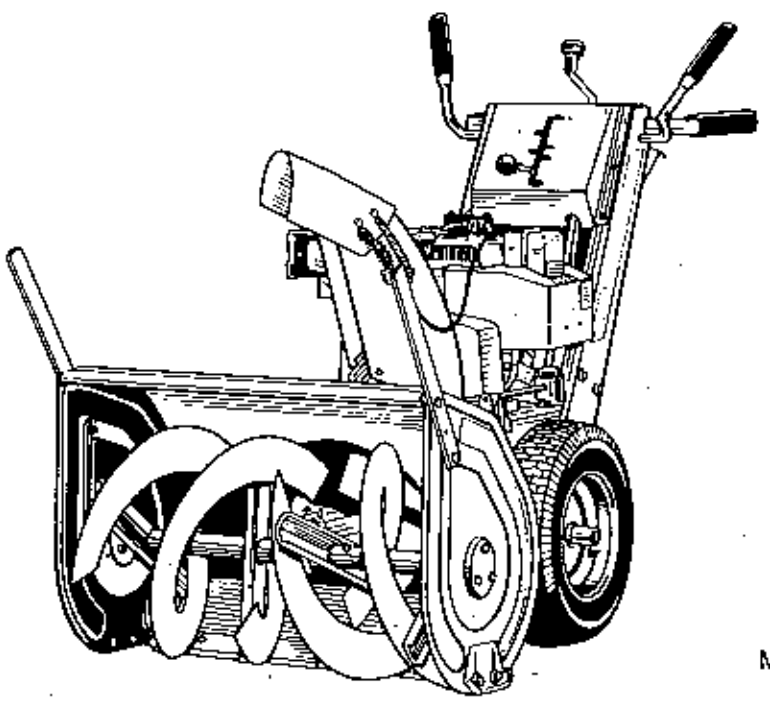
Parts Manual

Models 560, 870 & 1080 Snowthrowers & Attachments

with "Power Boost"



MODEL 560 SNOWTHROWER
MFG. NO. 1691368

MODEL 870 SNOWTHROWER
MFG. NO. 1691370

MODEL 1080 SNOWTHROWER
MFG. NO. 1691371
MFG. NO. 1691716

TP-1126
10/88

Simplicity®

Product Identification:

When ordering parts, keep your products serial number and manufacturer's number in mind. Variations may occur in a part between early and later model products, causing the product serial number to be listed in the parts description whenever these variations occur.

Record your I.D. numbers here for quick, future reference.

Product Mfg. No. _____ S/N _____ Mower Mfg. No. _____ S/N _____

Attention:

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific parts drawings.

CRITICAL and MAJOR notations point out important facts or instructions which relate to personal safety and proper machine operation. Any CRITICAL notation **C** which may appear in this book, pinpoints characteristics which, if not properly followed, can create a safety hazard. Any MAJOR notation **M** which may appear in this book, marks characteristics which, if not properly followed, may result in operating failure, shortened product life, or greatly reduced quality of the unit.

For your convenience, assembly notes are included in parts drawings to assist in repair and assembly of unit.

NOTE: Specifications may change without notice.

SIMPLICITY PRODUCTS FOR THE PROPER CARE OF EQUIPMENT

These genuine *Simplicity* products will help the owner extend the life of his equipment.

OILS - SPECIFICALLY BLENDED OF HIGH QUALITY BASE OILS & ADDITIVES.

Special Worm Gear (Roticul) Oil for use in all tillers and snowthrowers with worm gear auger drive. Required for protection of brass gears and mating parts. **Case of 12 Quarts, Part #1685100, Individual Quarts 118065.**

Multi-Purpose Hydraulic/Transmission Oil for use in most hydraulic applications, and hydrostatic and gear transmissions. Specific *Simplicity* applications: All hydrostatic transmissions, all bevel gear cases, all Broadmoor, Landlord, Sovereign, 4000, 6000, 7000 transmissions (except Peerless Gear Transmissions). (Not used in SunStar tractor transmission.) **Case of 12 Quarts, Part #1685516, 2½ Gallon Container, Part #1685539.**

2-Cycle Engine Oil, a premium lubricant for all 2-cycle air-cooled engines. **Case of 12 Part #1685517.**

SAE 5W 30 SF/CD Cold Weather Engine Oil for use in all four cycle and diesel engines at 30° temp. and under. **Case of 12 Quarts, Part # 1685576.**

SAE 15W40 SF/CD Engine Oil for gas and diesel engines, warm weather; see engine manufacturer recommendations. **Case of 12 Quarts, Part #1685554.**

Grease Gun Kit has 12" flexible hose to get into tight spots with ease. Kit contains: gun and 1-8 oz. tube of grease, **Part #1685510.** For replacement tube, order **Part # 103077.**

Pneumatic Tire Seal, seals all leaks including bead leaks and punctures up to 3/16 inch diameters. Prevents flats for tread life of tire. Available in following amounts.

Case of 12 - 11 Oz. Tubes	**1685537**
Case of 24 - 11 Oz. Tubes	**1685525**
5 Gallon Pail	**1685527**

Touch-Up Paint keeps equipment in showroom condition.

Spray Cans	Quarts	Daubbers 12/Ctn.
*Simplicity Orange - 103262 (12 cans/1685179)	1685037	1685520 - Mixed (6 Simp. Orange, 6 White)
**Classic Orange - 1685558 (12 cans/1685559)	1685560	1685562 - Mixed (6 Classic Orange, 6-White)
White 103049 (12 cans/1685178)	1685032	1685562 - Mixed (6-Classic Orange, 6-White) 1685520 - Mixed (6-Simp. Orange, 6-White)
Black - 1685551 (12 Cans/1685552)	N.A.	N.A.

***For 1977 thru early 1986 products.**
****For products produced after 12/1/85.**

***Simplicity* Designer Seat Covers** are double stitched, easy care vinyl. Keeps new seats new, makes worn seats look new.

- **Small Cover for 4000, 5000, & 6100 Tractors** **1685540**
- **Large Cover for 6200, 7000 & 9000 Tractors** **1685541**
- **SunStar Seat Cover** **1685577**

Extend Equipment Life - Use Only Genuine *Simplicity* Parts

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Included in this parts book are the following Manufacturer's Numbers:

THE "PROTECTOR" SNOW CAB
MFG. NO. 1690681

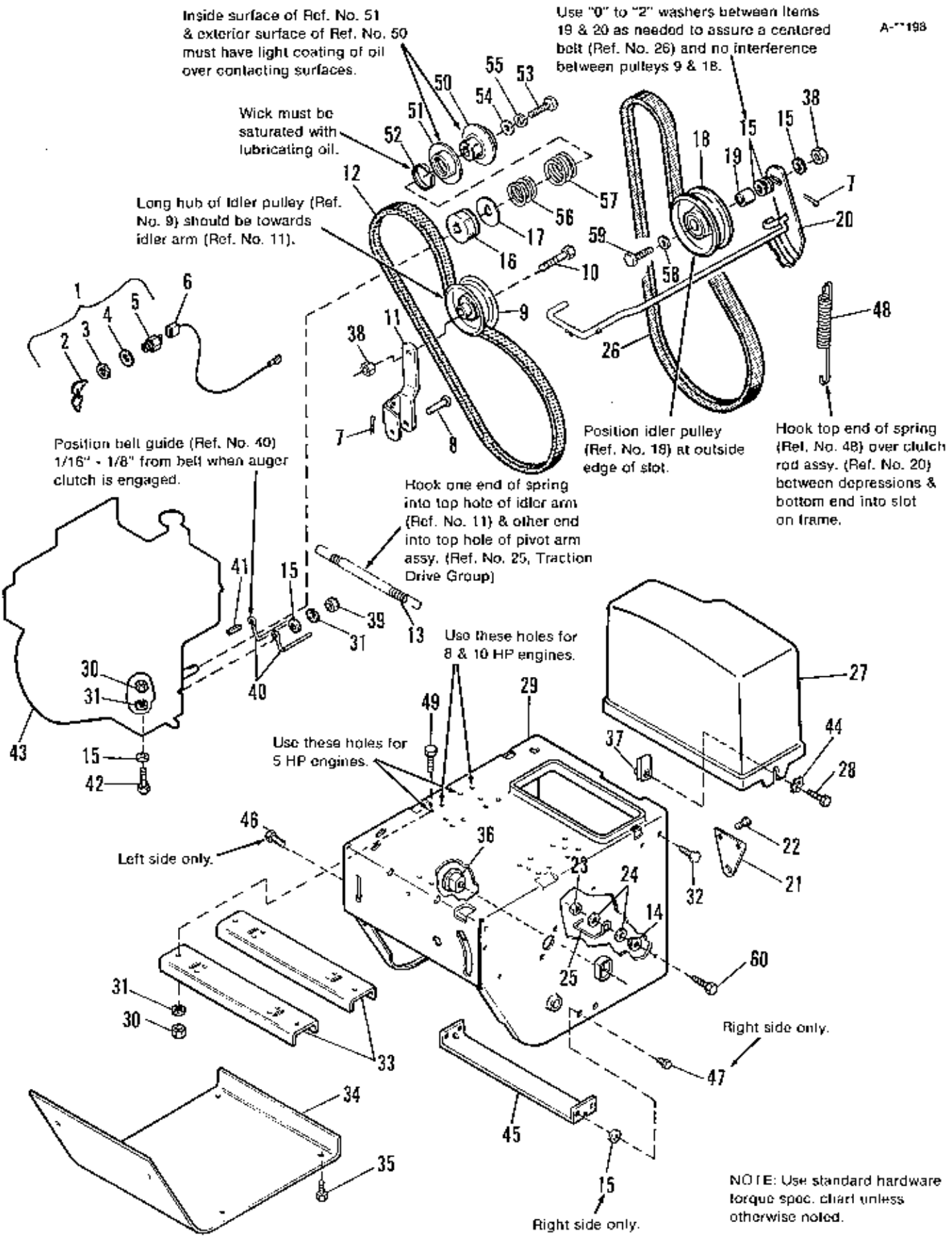
DRIFT CUTTERS
MFG. NO. 1685189

12 VOLT STARTER
MFG. NO. 1691724

*5 HP ELECTRIC STARTER
(TECUMSEH ENGINE)
MFG. NO. 1690384

*8 & 10 HP ELECTRIC STARTER
(TECUMSEH ENGINE)
MFG. NO. 1690385

***Order Wholegoods number and see your local Tecumseh dealer for parts and service.**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Inside surface of Ref. No. 51 & exterior surface of Ref. No. 50 must have light coating of oil over contacting surfaces.
Use "0" to "2" washers between items 19 & 20 as needed to assure a centered belt (Ref. No. 26) and no interference between pulleys 9 & 18.
Wick must be saturated with lubricating oil.
Long hub of idler pulley (Ref. No. 9) should be towards idler arm (Ref. No. 11).
Position idler pulley (Ref. No. 18) at outside edge of slot.
Hook top end of spring (Ref. No. 48) over clutch rod assy. (Ref. No. 20) between depressions & bottom end into slot on frame.
Position belt guide (Ref. No. 40) 1/16" - 1/8" from belt when auger clutch is engaged.
Hook one end of spring into top hole of idler arm (Ref. No. 11) & other end into top hole of pivot arm assy. (Ref. No. 25, Traction Drive Group)
Use these holes for 8 & 10 HP engines.
Use these holes for 5 HP engines.
Left side only.
Right side only.
Right side only.
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	177163	1	SWITCH, Key (Inc. Ref. Nos. 2, 3, 4 & 5)
2	122203	1	KEYS
3	122234	1	NUT, Hex, 5/8-32
4	918906	1	LOCKWASHER, Int. 5/8
5		1	SWITCH (See Ref No. 1)
6	1667700	1	WIRE, Ground
7	1918451	2	PIN, Cotter, 1/8 x 3/4
8	1665994	1	PIN
9	1668477	1	PULLEY, Idler
10	921969	2	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
11	1703046	1	ARM, Idler, Traction
12	1672732	1	BELT, Traction
13	1672735	1	SPRING, Idler
14	1927557	4	NUT, Hex, Whizlock, 5/16-18
15	1917642	10	WASHER, Flat, 5/16
16	1701783	1	PULLEY, Traction
17	1701818	1	WASHER, Thrust
18	1611994	1	PULLEY ASSY.
19	157081	1	SPACER
20	1701981	1	CLUTCH ROD ASSY.
21	1669135	1	BRACKET, Clutch Pivot
22	1925003	2	SCREW, Taptite, 1/4-20 x 1/2
23	1923362	2	NUT, Hex, Centerlock, 5/16-18
24	1919326	4	WASHER, 11/32 x 3/4
25	1702969	2	BELT GUIDE
26	1701257	1	BELT, Auger Drive
27	1667516	1	GUARD, Belt
28	1918249	2	SCREW, Truss Hd., 5/16-18 x 3/4
29	1701707	1	FRAME, Main
30	1917372	8	NUT, Hex, 5/16-18
31	1917356	10	LOCKWASHER, 5/16
32	1930591	4	CAPSCREW, Whizlock, 5/16-18 x 3/4
33	1668766	2	BRACKET, Engine Mounting
34	1666374	1	COVER, Bottom
35	1927428	6	SCREW, Taptite, 1/4-20 x 3/8
36	1666001	2	BUSHING, Axle
37	935255	2	NUT, Pal, 5/16-18
38	1928731	2	LOCKNUT, Jam, 3/8-16
39	1921515	2	CAPSCREW, Hex. Hd., 5/16-24 x 3/4
40	1702970	2	BELT GUIDE
41	1672129	1	KEY, Parallel, 3/16 x 13/16 x 7/8
42	1922127	4	CAPSCREW, Hex Hd., 5/16-18 x 2
43	See Note	1	ENGINE, Tecumseh, 5 H.P.
	Below	1	ENGINE, Tecumseh, 8 H.P.
		1	ENGINE, Tecumseh, 10 H.P.
44	1920426	2	LOCKWASHER, Ext. Tooth, 5/16
45	1669198	1	SUPPORT, Tie Bar
46	1928729	2	SCREW, Taptite, 5/16-18 x 3/8 (left side only)
47	1664847	2	SCREW, Taptite, 5/16-18 x 3/4 (right side only)
48	1701595	1	SPRING, Extension
49	1921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4
50	1701776	1	PULLEY, Half, Drive
51	1702017	1	PULLEY, Half
52	1685366	1	WICK, Oil
53	1960345	1	CAPSCREW, Hex Hd., 3/8-24 x 2
54	1922755	1	WASHER, 13/32 x 1
55	1916965	1	LOCKWASHER, Spring, 3/8
56	1702979	1	SPRING, Compression (1691368, 1691370 only)
	1701849	1	SPRING, Compression (1691371, 1691716 only)
57	1702425	1	SPRING, Compression (1691370, 1691371, 1691716 only)
58	1917378	1	WASHER, Flat, 3/8
59	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
60	1930595	2	CAPSCREW, Whizlock, 5/16-18 x 1-1/4

NOTE: Use *Simplicity* SAE-5W-30 Cold Weather Engine Oil, Part #1685518 (12 qts./case).

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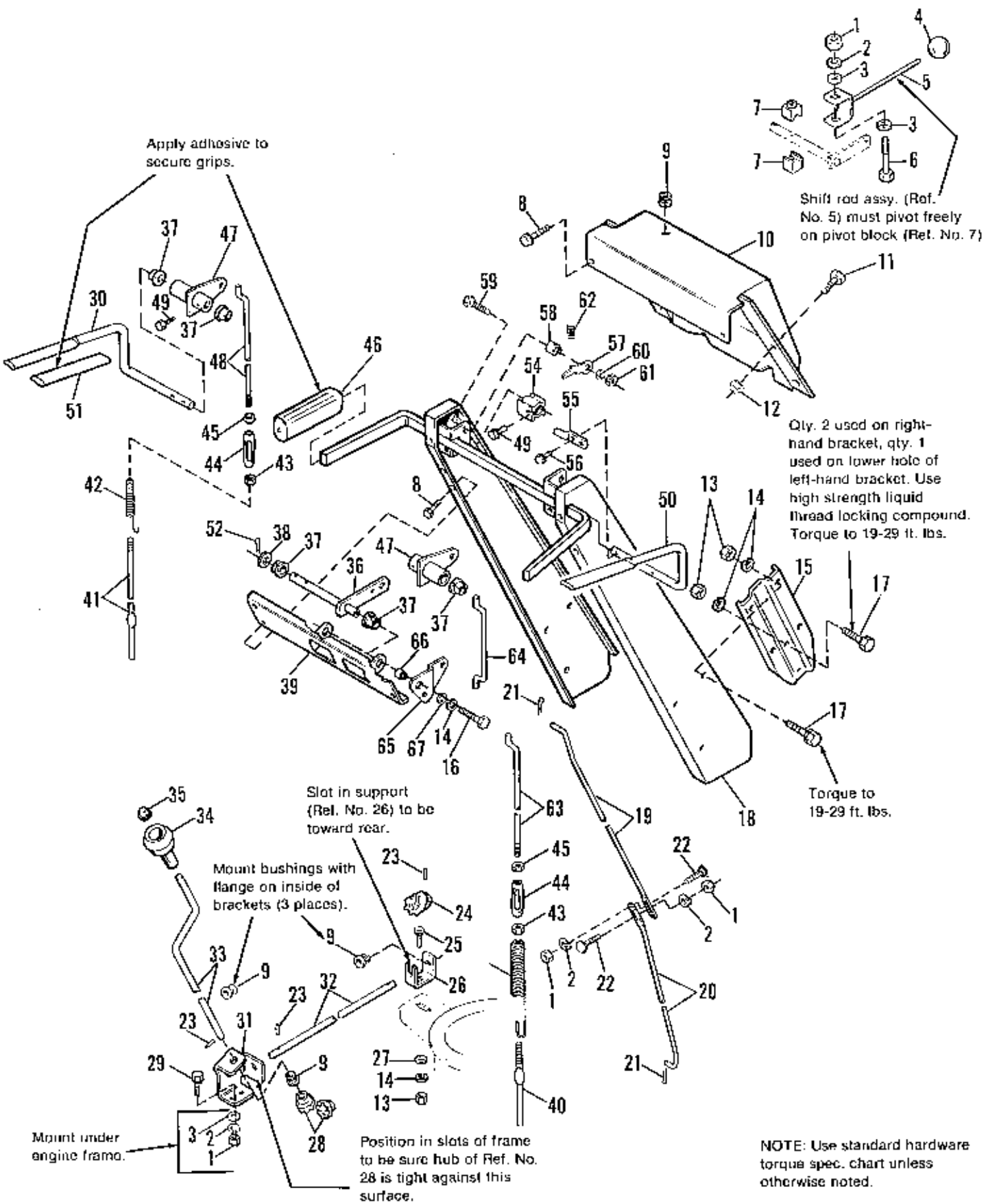
Apply adhesive to secure grips.
Shift rod assy. (Ref. No. 5) must pivot freely on pivot block (Ref. No. 7)
Qty. 2 used on right-hand bracket, qty. 1 used on lower hole of left-hand bracket. Use high strength liquid thread locking compound. Torque to 19-29 ft. lbs.
Torque to 19-29 ft. lbs.
Slot in support (Ref. No. 26) to be toward rear.
Mount bushings with flange on inside of brackets (3 places).
Mount under engine frame.
Position in slots of frame to be sure hub of Ref. No. 28 is tight against this surface.

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1916622	5	NUT, Hex, 1/4-20
2	1916964	5	LOCKWASHER, 1/4
3	1917377	3	WASHER, Flat, 1/4
4	8021050	1	KNOB
5	1668523	1	SHIFT ROD ASSY.
6	1921159	1	CAPSCREW, Hex Hd., 1/4-20 x 2-1/4
7	1668524	2	BLOCK, Pivot
8	1925003	6	SCREW, Taptite, 1/4-20 x 1/2
9	1667588	4	BUSHING, Plastic
10	1667800	1	DASH, Handle
11	1935450	4	CAPSCREW, Washer Hd., 1/4-20 x 3/4
12	1920397	4	NUT, Nylon Lock, 1/4-20
13	1917372	10	NUT, Hex, 5/16-18
14	1917356	10	LOCKWASHER, 5/16
15	1667806	2	BRACKET, Handle Mtg.
16	1922127	1	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
17	1930591	9	CAPSCREW, Whizlock, 5/16-18 x 3/4
18	1701208	1	HANDLE ASSY.
19	1666256	1	ROD, Shift-Upper
20	1666255	1	ROD, Shift-Lower
21	1918447	3	PIN Cotter
22	1931317	2	BOLT, Carriage, 1/4-20 x 3/4
23	916168	3	PIN, Roll, 1/8 x 3/4
24	1668186	1	WORM, Chute
25	1931333	1	BOLT, Carriage, 5/16-18 x 3/4
26	1611911	1	SUPPORT, Worm
27	1917642	1	WASHER, Flat, 5/16
28	1668188	2	GEAR, Universal
29	1930594	2	CAPSCREW, Hex Hd., 1/4-20 x 3/4
30	1679051	1	HANDLE, Clutch, L.H.
31	1611910	1	SUPPORT, Universal Gear
32	1668187	1	ROD, Chute Worm
33	1668190	1	ROD, Chute Control

Ref. Nos. 34 thru 67 on pages 6 & 7.

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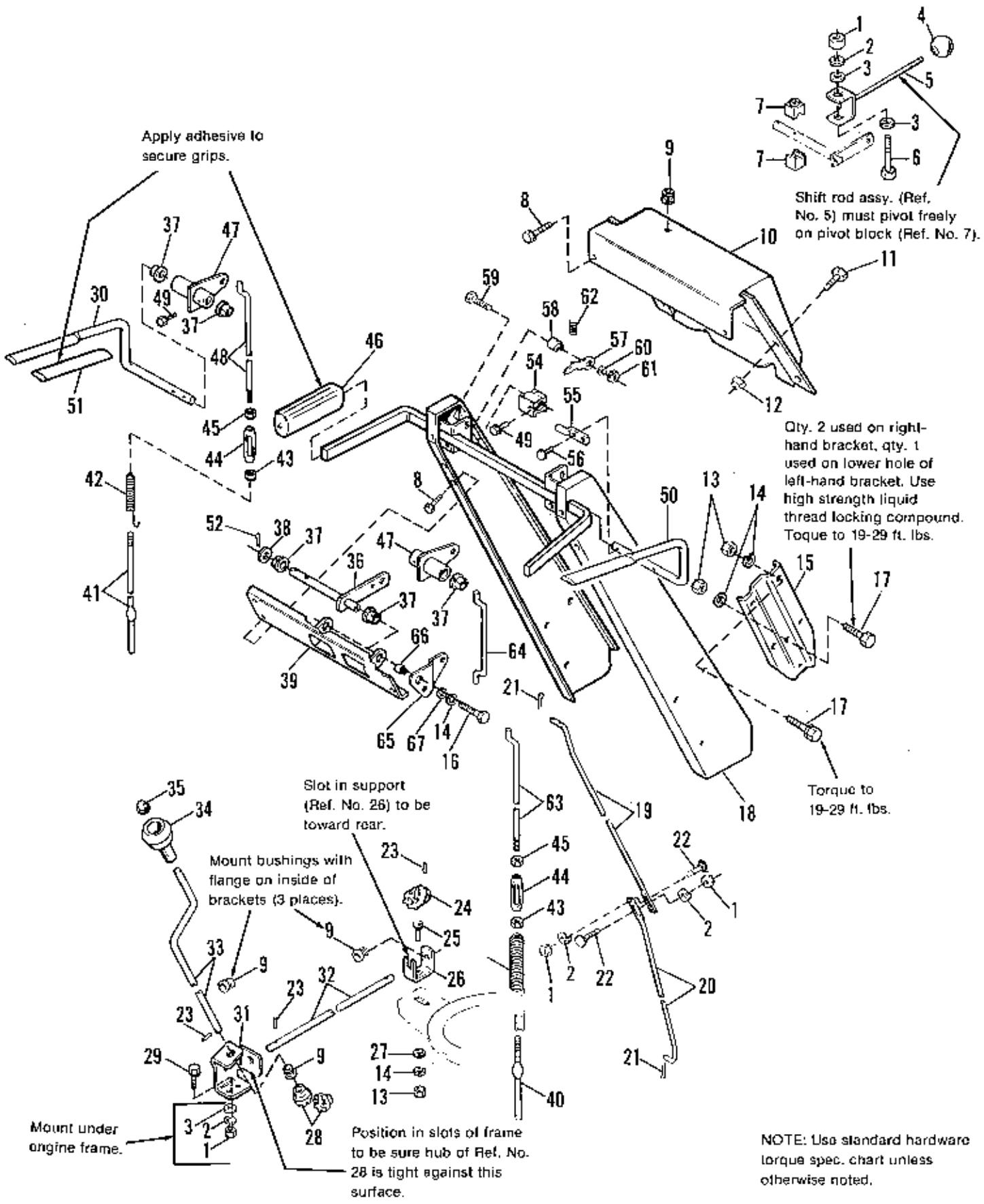
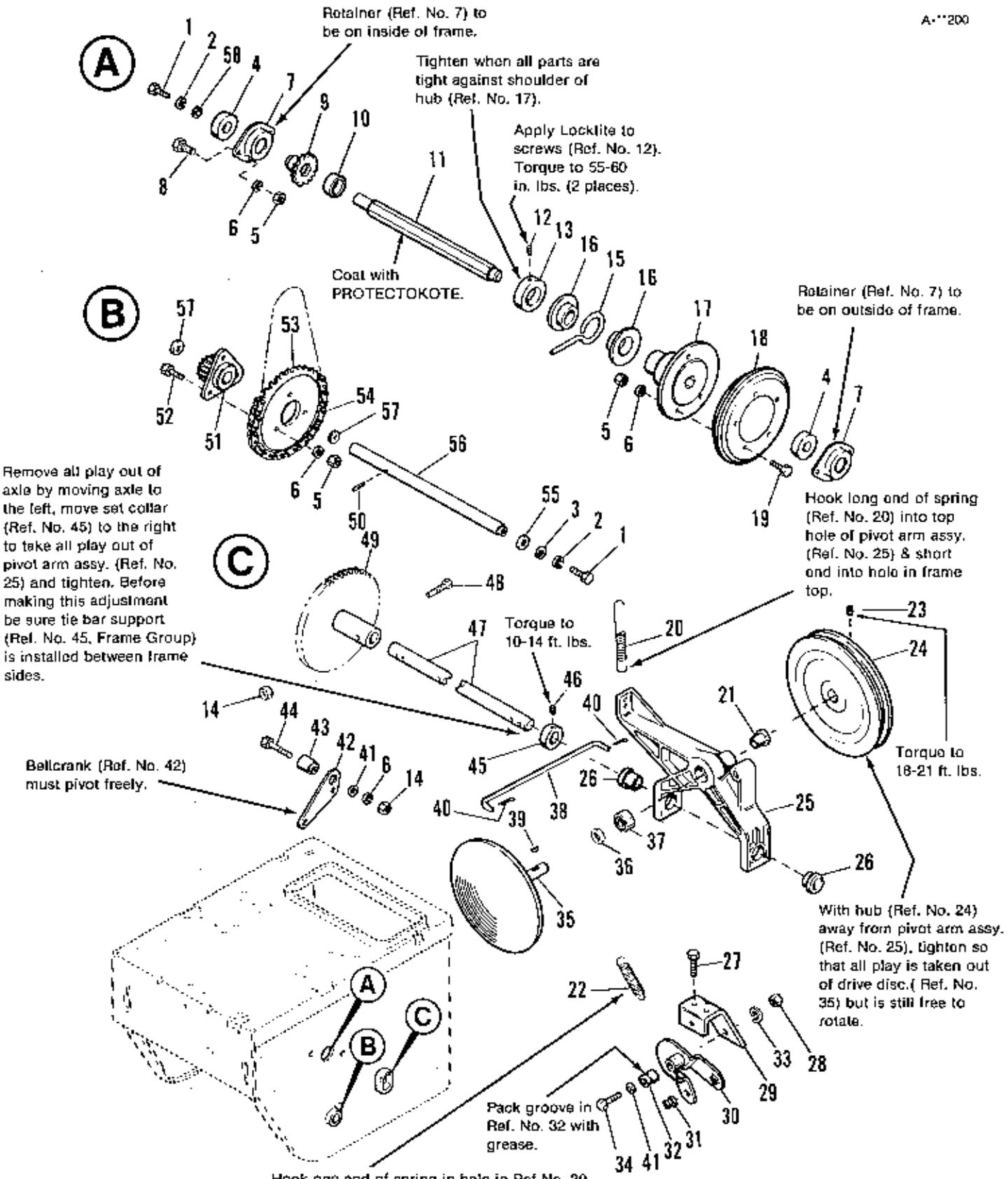

Apply adhesive to secure grips.
Shift rod assy. (Ref. No. 5) must pivot freely on pivot block (Ref. No. 7).
Qty. 2 used on right-hand bracket, qty. 1 used on lower hole of left-hand bracket. Use high strength liquid thread locking compound. Toque to 19-29 ft. lbs.
Torque to 19-29 ft. lbs.
Slot in support (Ref. No. 26) to be toward rear.
Mount bushings with flange on inside of brackets (3 places).
Mount under engine frame.
Position in slots of frame to be sure hub of Ref. No. 28 is tight against this surface.

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
34	1668190	1	KNOB, Spinner
35	1960093	1	PALNUT
36	1703043	1	PIVOT ROD ASSY.
37	1668185	6	BUSHING, Plastic
38	1924361	1	WASHER
39	1668050	1	BRACKET, Shift Control
40	1702004	1	ROD, Clutch-Lower, Auger
41	1668526	1	ROD, Clutch-Lower, Traction
42	1668527	1	SPRING
43	1916621	2	NUT, Hex, #10-24, R.H.
44	108775	2	TURNBUCKLE
45	1928704	2	NUT, Hex, #10-24, L.H.
46	1671041	2	GRIP, Handle Bar
47	1668060	2	CLUTCH LEVER ASSY.
48	1668121	2	ROD, Clutch-Upper
49	1928732	3	SCREW, Taptite, #10-24 x 1
50	1703045	1	HANDLE, Clutch R.H.
51	1668608	2	GRIP, Clutch
52	1918452	2	PIN, Cotter, 1/8 x 1
53	1701996	1	SPRING
54	1679014	1	GUIDE, Control
55	1677453	1	ROD, Control
56	1928732	2	SCREW, Taptite, #10-32 x 1.00
57	1677454	1	LATCH, Control
58	1678579	1	SPACER, Special
59	1921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
60	1919326	1	WASHER, Plain
61	1923326	1	NUT, Hex Lock, 5/16-18
62	1701342	1	SPRING
63	1702485	1	ROD, Upper Clutch, Auger
64	1702663	1	ROD, Clutch
65	1702662	1	LEVER, Clutch
66	1702552	1	SPACER
67	1919381	1	WASHER, Plain, 5/16 x 1

Ref. Nos. 1 thru 33 on pages 4 and 5.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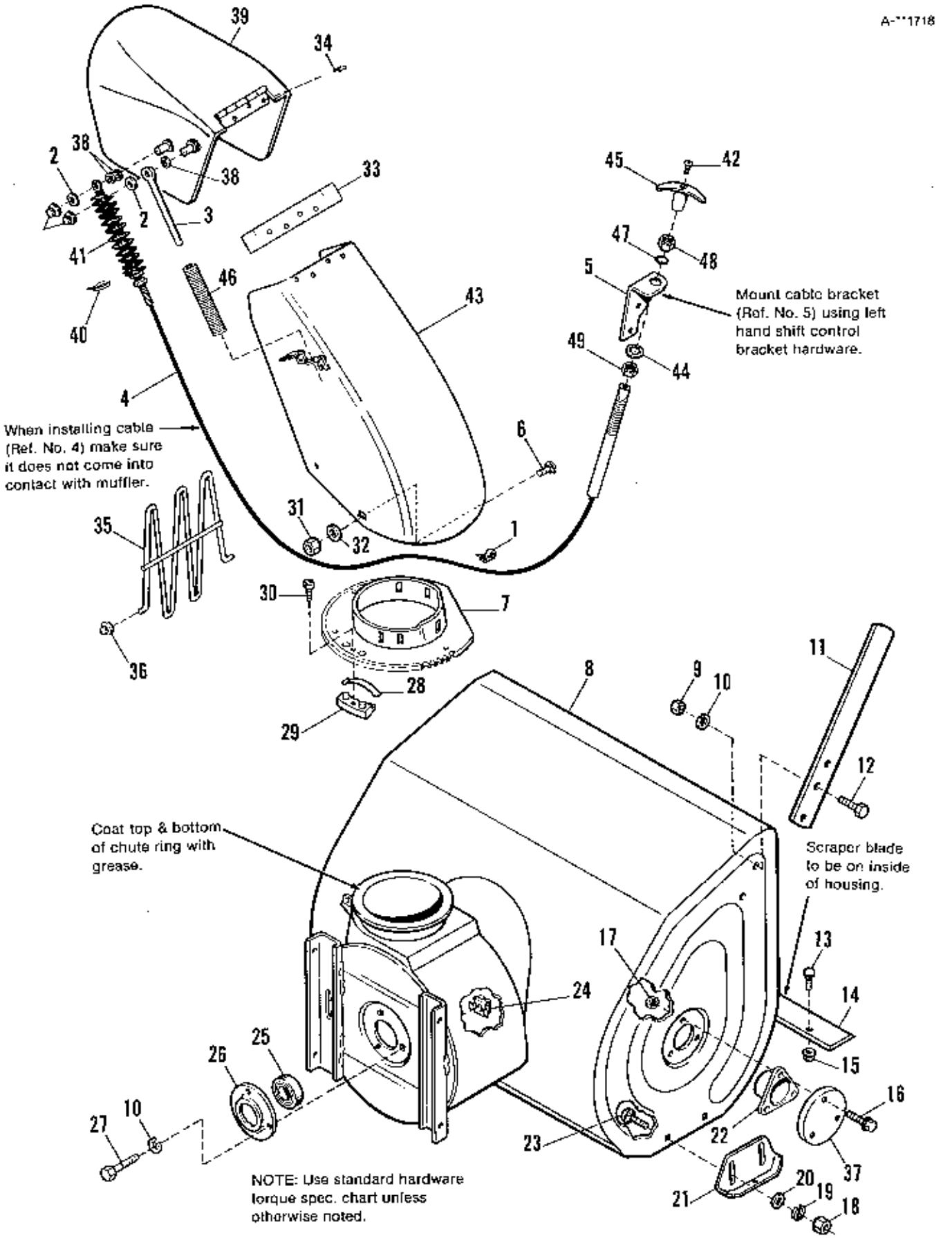
Retainer (Ref. No. 7) to be on inside of frame.
Tighten when all parts are tight against shoulder of hub (Ref. No. 17).
Apply Locktite to screws (Ref. No. 12). Torque to 55-60 in. lbs. (2 places).
Coat with PROTECTOKOTE.
Retainer (Ref. No. 7) to be on outside of frame.
Remove all play out of axle by moving axle to the left, move set collar (Ref. No. 45) to the right to take all play out of pivot arm assy. (Ref. No. 25) and tighten. Before making this adjustment be sure tie bar support (Ref. No. 45, Frame Group) is installed between frame sides.
Hook long end of spring (Ref. No. 20) into top hole of pivot arm assy. (Ref. No. 25) & short end into hole in frame top.
Torque to 10-14 ft. lbs.
Torque to 18-21 ft. lbs.
Bellcrank (Ref. No. 42) must pivot freely.
With hub (Ref. No. 24) away from pivot arm assy. (Ref. No. 25), tighten so that all play is taken out of drive disc.(Ref. No. 35) but is still free to rotate.
Pack groove in Ref. No. 32 with grease.
Hook one end of spring in hole in Ref.No. 30, hook other end through upper left hand corner slot in frame.
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1921959	2	CAPSCREW, Hex Hd., 1/4-20 x 5/8
2	1916964	2	LOCKWASHER, 1/4
3	1917377	2	WASHER, Flat, 1/4
4	1666292	2	BEARING
5	1917372	11	NUT, Hex, 5/16-18
6	1917356	11	LOCKWASHER, 5/16
7	1667341	2	RETAINER, Bearing
8	1925205	4	CAPSCREW, Hex Hd., 5/16-18 x 5/8
9	1667331	1	SPROCKET, 10 Tooth
10	1667501	1	SPACER
11	1667340	1	SHAFT, Hex
12	1960348	1	SETSCREW, Socket Hd., 1/4-20 x 3/8
13	1667335	1	SET COLLAR
14	1924433	2	NUT, Hex, Lock, 5/16-18
15	1666207	1	PIN, Side
16	1678956	2	COLLAR, Thrust
17	1665995	1	HUB, Friction Disc
18	1665975	1	DISC, Friction
19	1921332	3	CAPSCREW, Hex Hd., 5/16-18 x 3/4
20	157207	1	SPRING
21	1666855	1	BUSHING
22	1668255	1	SPRING
23	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
24	1672595	1	PULLEY, Traction
25	1670849	1	ARM ASSY., Pivot w/Bushings (Incl. all bushings, Qty 1 of Ref. No. 21, Qty 2 of Ref. No. 26; Qty. 1 of Ref. No. 37)
26	1666425	2	BUSHING
27	924856	3	SCREW, Taptite, 5/16-18 x 1/2
28	916950	1	NUT, Hex, 3/8-16
29	1673994	1	BRACKET, Bushing
30	1669256	1	ARM ASSY., Shift w/Bushings (Includes Ref. No. 31)
31	1669255	1	BUSHING, Ball
32	1666114	1	BUSHING, Spacer
33	916965	1	LOCKWASHER, 3/8
34	1923701	1	CAPSCREW, Hex Hd., 3/8-16 x 2
35	1666230	1	DISC, Drive
36	1666379	1	WASHER
37	1665521	1	BEARING
38	1666105	1	ROD, Pivot
39	918312	1	KEY, Woodruff, 3/16 x 5/8
40	918451	2	PIN, Cotter, 1/8 x 3/4
41	917642	2	WASHER, Flat, 5/16
42	1700473	1	BELLCRANK
43	1666106	1	BUSHING, Pivot
44	1935159	1	CAPSCREW, Hex Hd., 5/16-18 x 2-1/4
45	8021010	1	SET COLLAR
46	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
47	1676741	1	AXLE
48	1930570	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
49	1668145	1	GEAR ASSY.
50	1923302	1	PIN, Roll, 1/8 x 1
51	1667326	1	GEAR ASSY.
52	1921333	3	CAPSCREW, Hex Hd., 5/16-18 x 1
53	1667330	1	SPROCKET, 36 Tooth
54	1666980	1	CHAIN, Drive
55	1909589	1	WASHER, Int. Lock 1/2
56	1667332	1	JACKSHAFT
57	1919387	2	WASHER
58	1960353	2	WASHER, Flat, 1/4

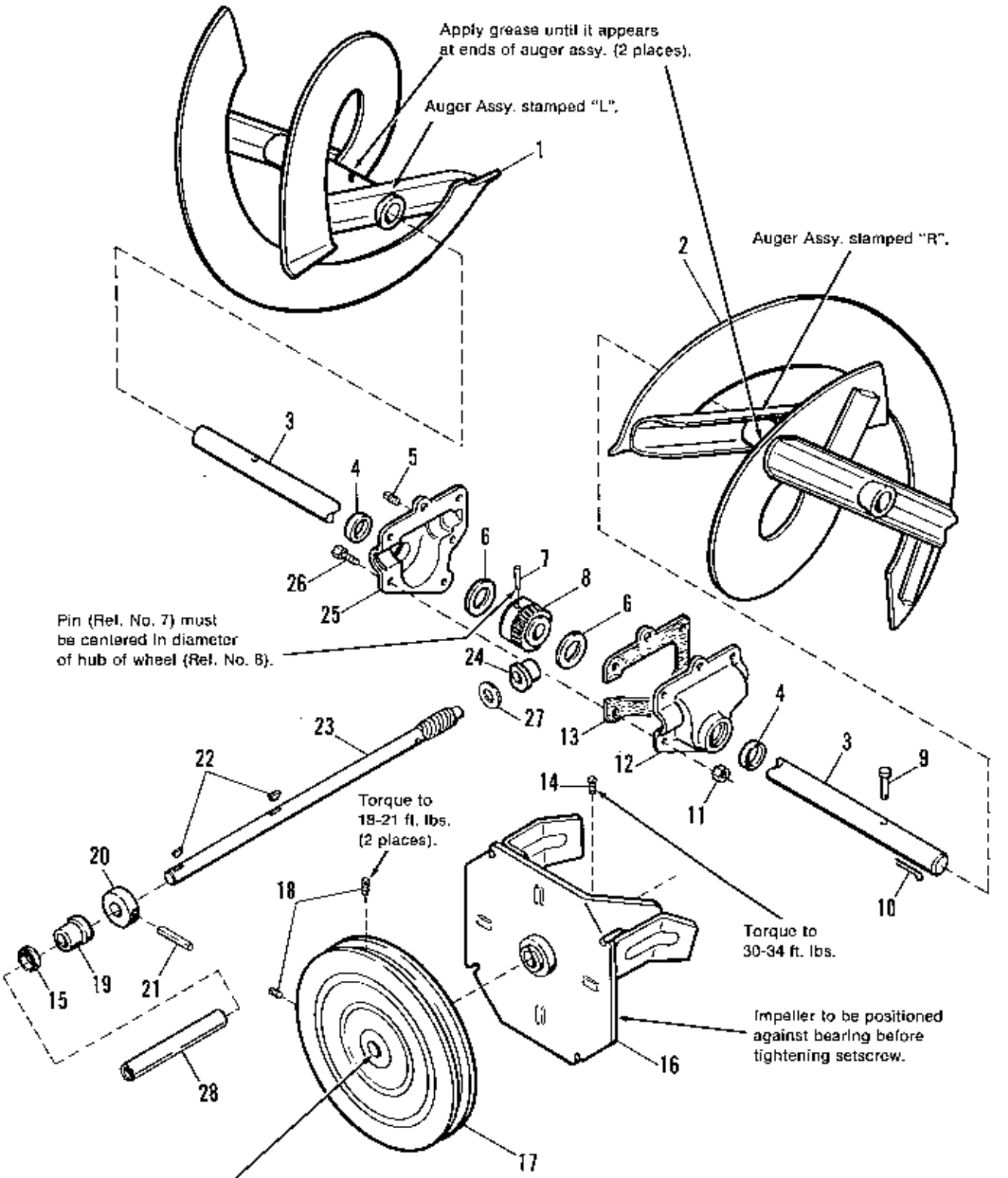

A-**1718
Mount cable bracket (Ref. No. 5) using left hand shift control bracket hardware.
When installing cable (Ref. No. 4) make sure it does not come into contact with muffler.
Coat top & bottom of chute ring with grease.
Scraper blade to be on inside of housing.
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	926918	1	CLAMP
2	1921319	2	WASHER, Flat
3	1611945	1	ROD, Spring
4	1611913	1	CABLE ASSY. (Incl. Ref. Nos. 40-42, 44, 45 & 47-49)
5	1611941	1	BRACKET, Cable
6	1960252	3	BOLT, Carriage, 1/4-20 x 5/8
7	1678634	1	GEAR, Chute
*8	1667509	1	HOUSING ASSY., Auger, 24" (Used on Mfg. No. 1691368)
	1667510	1	HOUSING ASSY., Auger, 28" (Used on Mfg. No. 1691370)
	1667511	1	HOUSING ASSY., Auger, 32" (Used on Mfg. No. 1691371 & 1691716)
9	1917372	4	NUT, 5/16-18 (1691370, 1691371 & 1691716 only)
10	1917356	3	LOCKWASHER, 5/16 (Qty. 7 on 1691370, 1691371 & 1691716)
**11	1668171	2	CUTTER, Drift (1691370, 1691371 & 1691716 only)
12	1921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4 (1691370, 1691371 & 1691716 only)
13	1931332	5	BOLT, Carriage, 5/16-18 x 5/8 (Qty. 7 on 32" models)
14	1667986	1	BLADE, Scraper, 24" (Used on 1691368)
	1667987	1	BLADE, Scraper, 28" (Used on 1691370)
	1667988	1	BLADE, Scraper, 32" (Used on 1691321, 1691716)
15	1935048	5	LOCKNUT, Flange, 5/16-18 (Qty. 7 on 1691371 & 1691716 only)
16	1923325	6	CAPSCREW, Hex Flange Whizlock, 5/16-18 x 7/8
17	1923362	6	NUT, Hex, Center Lock, 5/16-18
18	1916950	4	NUT, Hex, 3/8-16
19	1916965	4	LOCKWASHER, 3/8
20	1917642	7	WASHER, Flat, 5/16
21	177434	2	SKID
22	1665980	2	BEARING, Auger
23	1931348	4	BOLT, Carriage, 3/8-16 x 3/4
24	930659	3	NUT, Retainer, 5/16-18
25	108202	1	BEARING, Ball
26	1665982	1	RETAINER, Bearing
27	1925205	3	CAPSCREW, Hex Hd., 5/16-18 x 17/64
28	1667865	3	SPRING
29	1666613	3	HOLD DOWN, Chute
30	1960001	3	SCREW, Plastite #10
31	1920397	3	LOCKNUT, Nylon, 1/4-20
32	1917377	3	WASHER, Flat, 1/4
33	1611999	1	LINER,Chute
34	1611996	4	RIVET, Pop
35	1677064	1	GUARD, Chute
36	1960126	4	PUSH NUT
37	1668639	2	BEARING, Cap
38	1702219	3	SPACER
39	1611943	1	DEFLECTOR ASSY.
40	932747	2	TIE, Self-Locking, Cable Assy.
41	1611989	1	BOOT, Water
42	1677985	1	SCREW, Pan Hd., #8-32 x 11/16
43	1611946	1	CHUTE ASSY.
44	918906	1	LOCKWASHER, Int. Tooth
45	1612146	1	HANDLE, Cable
46	1611939	1	SPRING
47	1612148	1	"O" RING, Cable Assy.
48	1612147	1	FITTING, Cable Assy.
49	1922014	1	NUT, 5/16-18, Cable Assy.

***Ref. No. 8 Includes Ref. No. 13, 14 & 15.**

****Drift Cutter Kit contains 2 cutters and mounting hardware, available under P/N 1685189.**

A-**202

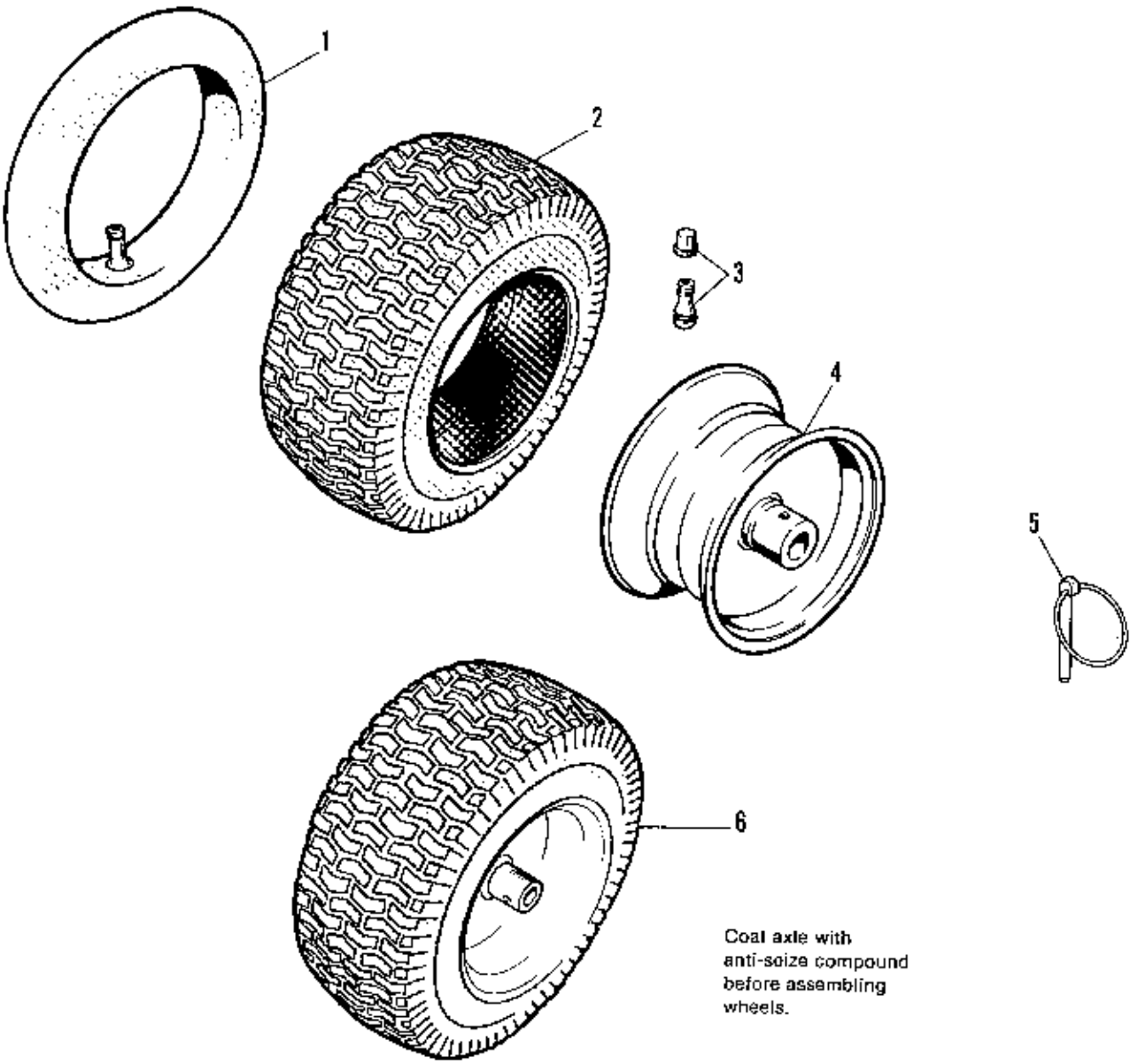


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1666401	1	AUGER ASSY., L.H., 24"
	1666660	1	AUGER ASSY., L.H., 28"
	1666409	1	AUGER ASSY., L.H., 80 32"
2	1666402	1	AUGER ASSY., R.H., 24"
	1666659	1	AUGER ASSY., R.H., 28"
	1666454	1	AUGER ASSY., R.L., 32"
3	1667983	1	SHAFT, Auger
4	118118	2	SEAL
5	1668971	1	PLUG, Pipe, 1/8
6	1666423	2	WASHER, Thrust
7	936100	1	PIN, Drivelok, 5/16 x 1-1/2
8	1666509	1	WHEEL, Worm
9	1668344	2	PIN, Shear
10	1918447	2	PIN, Cotter, 3/32 x 3/4
11	1923358	6	LOCKNUT, Hex, 1/4-20
12	1611782	1	CASE, Gear, R.H.
13	1611784	1	GASKET
14	1923084	1	SETSCREW, Sq. Hd., 3/8-16 x 1/2
15	1611789	1	SEAL, Oil
16	1668113	1	IMPELLER ASSY.
17	1679293	1	PULLEY, Auger Input
18	1928721	2	SETSCREW, Sq. Hd., 5/16-18 x 1/2
19	1666425	1	BUSHING, Flange
20	1668105	1	COLLAR, Thrust
21	936098	1	PIN, Drivelok, 3/16 x 1-1/2
22	918312	2	KEY, Woodruff, 3/16 x 5/8
23	1666426	1	SHAFT, Roller Worm
24	1666424	1	BUSHING, Flange
25	1611783	1	CASE, Gear, L.H.
26	1924009	6	CAPSCREW, Hex Hd., 1/4-20 x 7/8
27	1670971	1	WASHER, Thrust
28	1612111	1	TUBE

NOTE: Use only *Simplicity* Special Worm Gear Oil in Worm Gear Housing.
1 Quart Part #118065
12 Qt. Case, Part #1685100
8 Oz. Tube, Part #103154

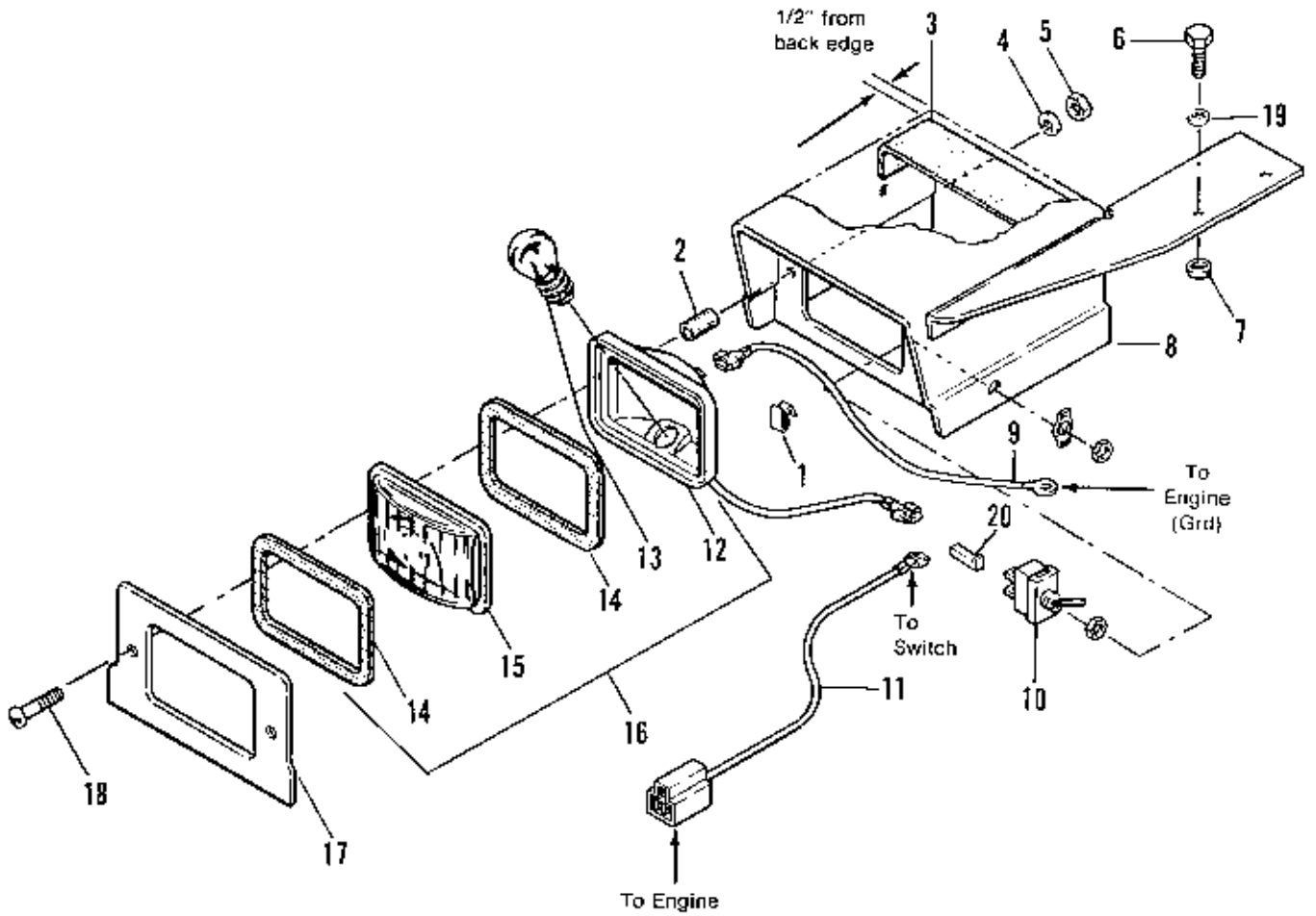
A-"1208



Coat axle with anti-seize compound before assembling wheels.

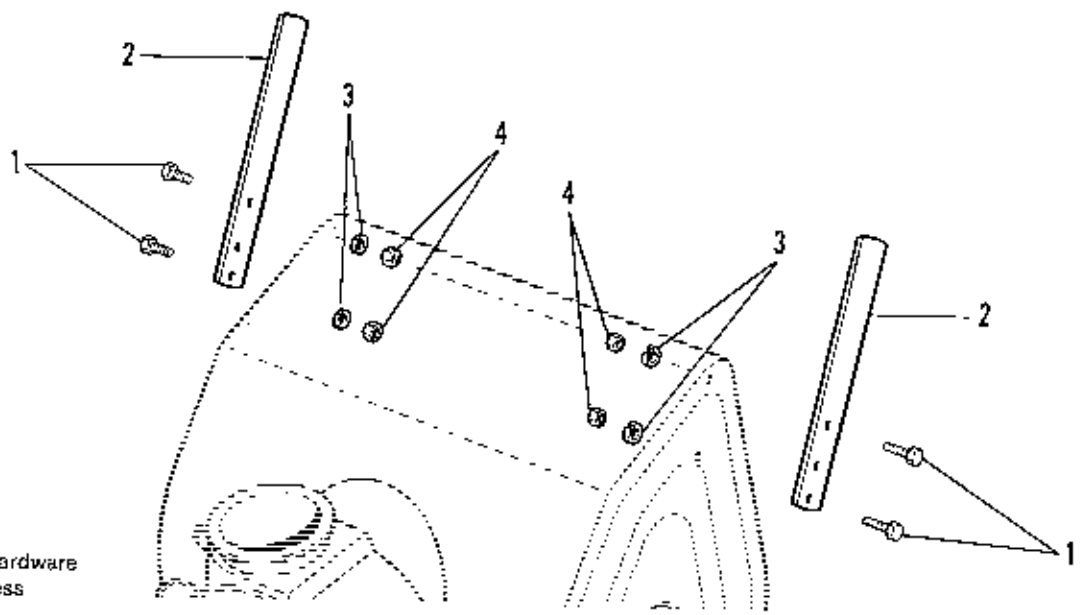
Ref. No.	Part No.	Qty.	Description
1	153038		TUBE (Service Only) 4.80/4.00-8
2	1668163	2	TIRE, (4.80/4.00-8)
3	172353	2	VALVE STEM & CAP
4	1677057	2	WHEEL & HUB ASSY.
5	1666969	2	PIN, Klik
6	1676742	2	WHEEL & TIRE ASSY.

A-**203



Drift Cutter Kit

A-**204



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

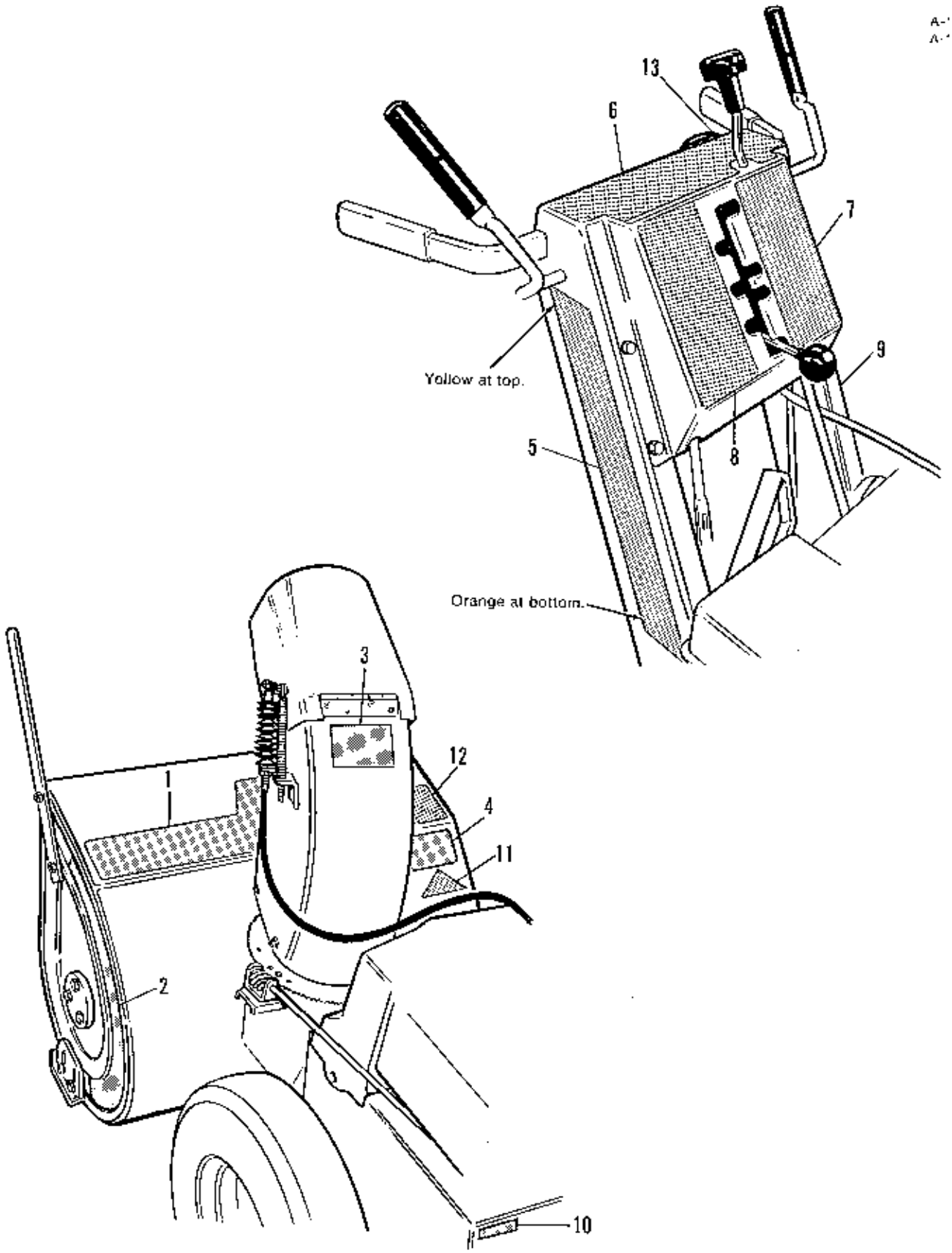
Ref. No.	Part No.	Qty.	Description
1	122159	1	CLIP, Wire (1691370, 1691371 only)
2	1664792	2	SPACER
3	1668830	1	PAD, Rubber
4	916964	2	LOCKWASHER, 1/4
5	916622	2	NUT, Hex, 1/4-20
6	1921333	2	CAPSCREW, Hex Hd., 5/16-18 x 1
7	1919381	4	WASHER, Plain, 5/16 x 1 O.D.
8	1668738	1	COVER ASSY., Headlight
9	1668762	1	WIRE, Light to Ground
10	122184	1	SWITCH, Toggle (Incl. washer & nuts)
11	1701939	1	WIRE, Engine to Switch (1691370, 1691371 only)
	1612109	1	WIRE, Engine to Switch (1691716 only)
12	1668748	1	SOCKET, Reflector
13		1	BULB, #1141 (obtain locally) (1691370, 1691371 only)
		1	BULB, #1156 (obtain locally) (1691716 only)
14	1654662	2	GASKET
15	1668721	1	LENS, Amber
16	1701938	1	LIGHT ASSY. (Incl. Ref. Nos. 12 thru 15)
17	1668728	1	SUPPORT, Light
18	1917451	2	SCREW, Rd. Hd., 1/4-20 x 1
19	1923300	2	LOCKWASHER, Internal Tooth, 5/16
20	1700300	1	CONNECTOR BODY (1691716 only)

Mfg. No. 1685189

Drift Cutter Kit (Standard on 8 & 10 HP Models)

Ref. No.	Part No.	Qty.	Description
1	1921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4
2	1668171	2	CUTTER, Drift
3	1917356	4	LOCKWASHER, 5/16
4	1917372	4	NUT, Hex, 5/16-18

A-1716
A-1717



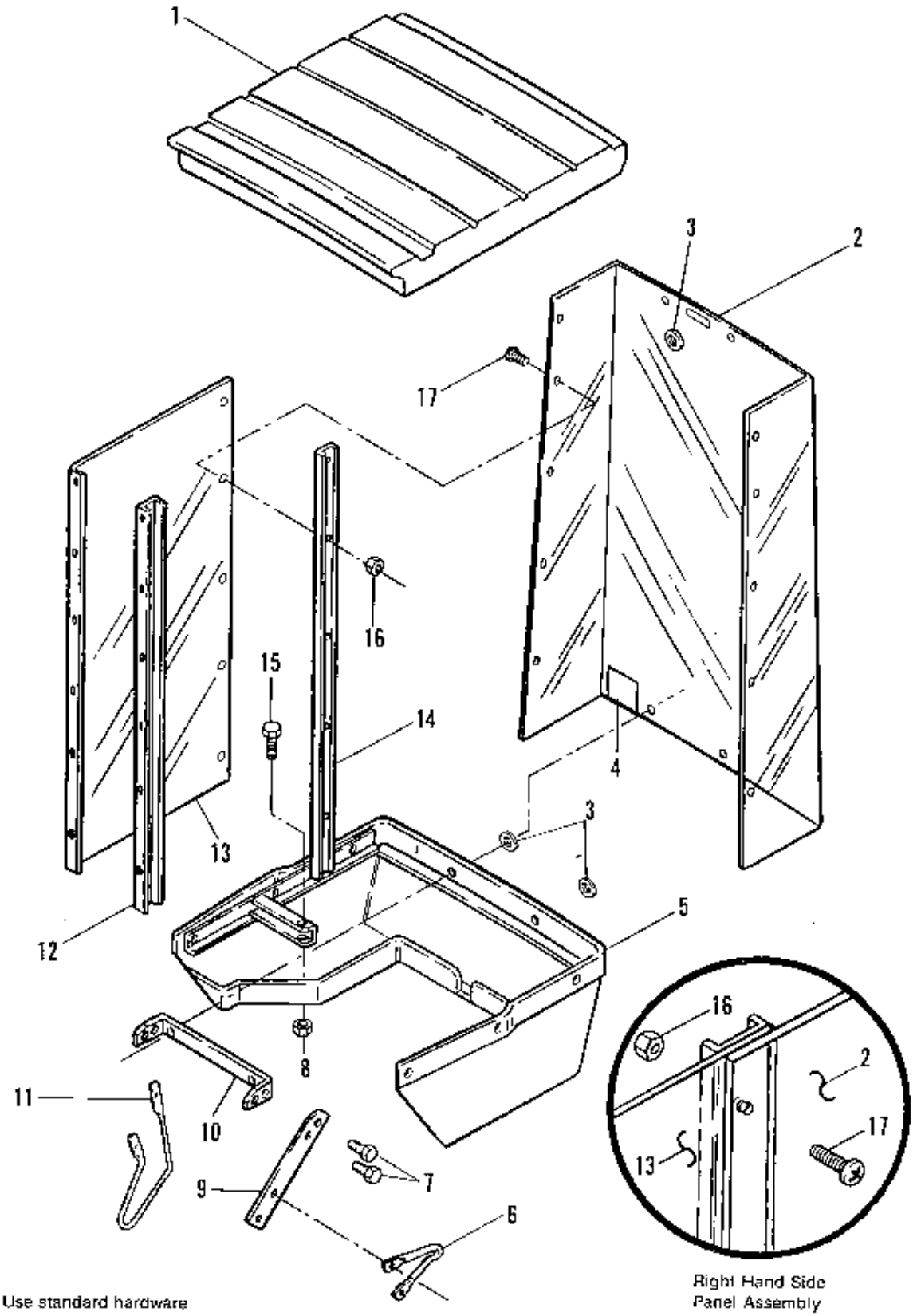
Ref. No.	Part No.	Qty.	Description
1	1668938	1	DECAL, Housing, 560
	1668940	1	DECAL, Housing, 870
	1668941	1	DECAL, Housing, 1080
2	1668937	1	DECAL, Housing, End L.H.
3	1677488	1	DECAL, Danger, Blower
4	1668936	1	DECAL, Hsg., End, R.H.
5	1668934	1	DECAL, Handle, R.H.
6	1701591	1	DECAL, Dash
7	1669557	1	DECAL, Shift Pattern, L.H.
8	1669556	1	DECAL, Shift Pattern, R.H.
9	1668935	1	DECAL, Handle, L.H.
10		1	I.D. Tag (Not Serviced)
11		1	DECAL, OPEI (Not Serviced)
12	1677485	1	DECAL, Danger, Auger
13	1612012	1	DECAL, Cable Lock
Not Shown:			
	1703659	1	DECAL, Touch-up Paint

SAFETY DECALS

Ref. No. 3

Ref. No. 12

A-**206



Right Hand Side
Panel Assembly

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1668887	1	COVER, Top
2	1668886	1	PANEL, Front
3	1917377	3	WASHER, Flat, 1/4
4	1669127	1	DECAL, Cleaning Instructions
5	1668869	1	SHROUD, Lower
6	1669090	1	GUIDE, Rope
7	1923341	4	CAPSCREW, Hex Hd., 1/4-20 x 3/4
8	1924433	2	LOCKNUT, Nylon, 5/16-18
9	1668851	2	SUPPORT, Side
10	1668852	1	SUPPORT, Front
11	1669150	2	ROD, Skid
12	1611730	2	CHANNEL, Side
13	1668884	2	PANEL, Side
14	1611731	1	SUPPORT ASSY., L.H.
	1611732	1	SUPPORT ASSY., R. H. (not shown)
15	1922127	2	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
16	1920397	37	LOCKNUT, Nylon, 1/4-20
17	1935945	33	SCREW, Phil. Truss Hd., 1/4-20 x 3/4

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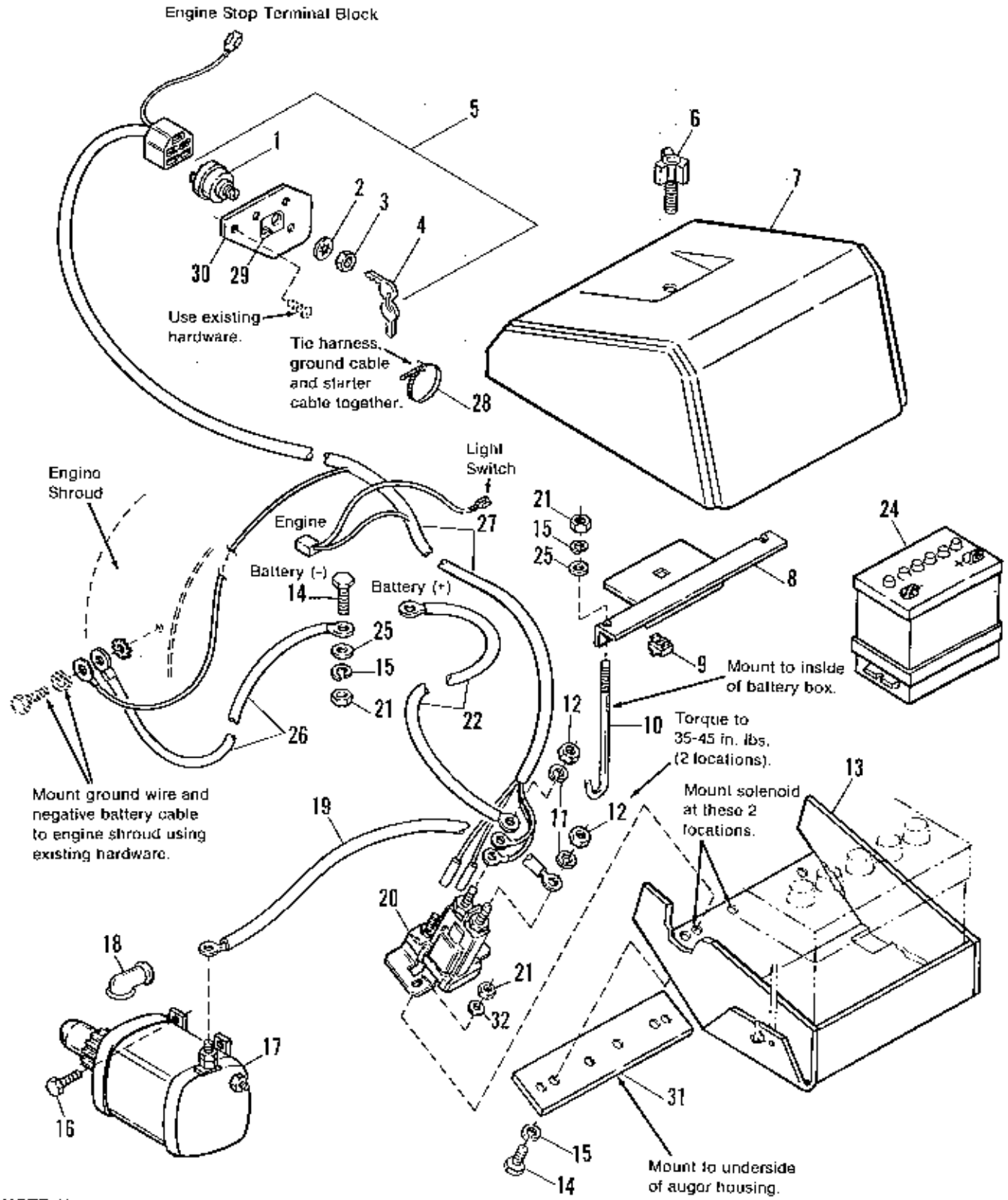

NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1		1	SWITCH (not serviced separately, order Ref. No. 5)
2	918906	1	LOCKWASHER, Int. Tooth, 5/8 (Zinc. Pltd.)
3	122234	1	NUT, Special
4	122203	1	KEY, Set of Two
5	178280	1	SWITCH, Key (Incl. Ref. Nos. 1, 2, 3 & 4)
6	1668777	1	KNOB
7	1668756	1	COVER
8	1668795	1	HOLD DOWN ASSY., Battery
9	1930659	1	NUT, Cage, Tinnerman, 5/16-18
10	1668820	2	J-HOOK
11	1920263	2	NUT, Hex, Full, 5/16-24
12	1917356	2	LOCKWASHER, 5/16
13	1668731	1	SUPPORT ASSY., Battery
14	1923341	6	CAPSCREW, Hex, 1/4-20 x 3/4
15	1916964	8	LOCKWASHER, 1/4
*16		4	SCREW (not serviced)
*17		1	MOTOR, Starter (not serviced)
18	122023	1	COVER, Terminal
19	1668819	1	WIRE, Solenoid to Starter, 25"
20	1685290	1	SOLENOID
21	1916622	8	NUT, Hex, Full, 1/4-20
22	1655522	1	WIRE, Battery to Solenoid, 15"
23	920426	1	LOCKWASHER, Ext. Tooth 5/16 (Zinc Pltd.)
24	1685215	1	BATTERY, (Not included with kit)
25	917377	4	WASHER, Flat, 1/4
26	1701522	1	CABLE, Battery to Ground, 38"
27	1612065	1	HARNESS, Wiring
28	932747	1	TIE, Wrap
29	1668905	1	DECAL, Key Switch
30	1668743	1	BRACKET, Key Switch
31	1671022	1	PLATE, Reinforcement
32	1921319	2	WASHER, 1/4

***For service of this part, contact your Tecumseh distributor.**

TORQUE SPECIFICATIONS FOR STANDARD MACHINE HARDWARE

TOLERANCE ± 20%

SIZE	SAE GRADE #2		SAE GRADE #5		SAE GRADE #8	
8-32	19	In. Lbs.	30	In. Lbs.	41	In. Lbs.
8-36	20	"	31	"	43	"
10-24	27	"	43	"	60	"
10-32	31	"	49	"	68	"
1/4-20	66	"	8	Ft. Lbs	12	Ft. Lbs.
1/4-28	76	"	10	"	14	"
5/16-18	11	Ft. Lbs	17	"	25	"
5/16-24	12	"	19	"	25	"
3/8-16	20	"	30	"	45	"
3/8-24	23	"	35	"	50	"
7/16-14	30	"	50	"	70	"
7/16-20	35	"	55	"	80	"
1/2-13	50	"	75	"	110	"
1/2-20	55	"	90	"	120	"
9/16-12	65	"	110	"	150	"
9/16-18	75	"	120	"	170	"
5/8-11	90	"	150	"	220	"
5/8-18	100	"	180	"	240	"
3/4-10	160	"	260	"	386	"
3/4-16	180	"	300	"	420	"
7/8-9	140	"	400	"	600	"
7/8-14	155	"	440	"	660	"
1-8	220	"	580	"	900	"
1-12	240	"	640	"	1,000	"

NOTE:

1. **These torque values are to be used for all *Simplicity* hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.**
2. **Recommended seating torque values for locknuts:**
   a. **For prevailing torque locknuts - use 65% of grade 5 torques.**
   b. **For flange whizlock nuts (and screws) - use 135% of grade 5 torques.**
3. **Unless otherwise noted on assembly drawings all torque values must meet this specification.**

BOLT HEAD MARKING

S.A.E. GRADE:

2

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